

Amendments to the Claims

The listing of claims set forth below will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A method of profiling mRNA production during stages comprising:

isolating a plurality of cells from a subject ~~each characterized by a different stage of disease progression;~~

analyzing the mRNA production in the cells from the subject, wherein the mRNA encode 2 or more genes selected from the group consisting of 1-ACT, cyclin D1, HSP27, wee1, GAD and HES1 antisense RNA transcripts from mRNA of each of the plurality of cells;

~~amplifying the antisense RNA transcripts;~~

quantitating the levels of the individual antisense mRNA transcripts which is indicative of levels of an mRNA for each of the plurality of cells, and comparing the levels of mRNA in the subject to a control.

Claims 2-56. (canceled)

57. (New) The method according to claim 1, wherein the mRNA comprise RNA transcripts encoded by two or more genes selected from the group consisting of 1-ACT, cyclin D1, HSP27, and wee1.

58. (New) The method according to claim 1, wherein the subject is in need of a diagnosis of a disease wherein the disease is a degenerative disease.

59. (New) The method according to claim 58, wherein the disease is Alzheimer's disease.

60. (New) The method of claim 1, wherein the isolating a plurality of cells is carried out from a blood sample collected from a living patient.